

868_006.sequence listing
SEQUENCE LISTING

<110> SANWA KAGAKU KENKYUSHO CO.,LTD.

<120> GLP-1 derivatives and the use

<130> JP0304SKK

<150> JP 2002-299283

<151> 2002-10-11

<160> 25

<170> PatentIn version 3.1

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<211> 29

<212> PRT

<213> Artificial

<220>

<223> GLP1(7-35)

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His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly
20 25

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<220>

<223> GLP1(7-36)

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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

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<211> 30

<212> PRT

<213> Artificial

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<223> 8S-GLP1

<400> 3

His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
Page 1

868_006.sequence listing

1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
20 25 30

<210> 4
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<212> PRT
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<223> GLP1+1R

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His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg
20 25 30

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<223> GLP1+2R

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His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
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868_006.sequence listing

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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
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Arg

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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
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Arg Arg

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1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
20 25 30

Arg Arg Arg
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868_006.sequence listing

<210> 10
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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
 20 25 30

Arg Arg Arg Arg
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
 20 25 30

Arg Arg Arg Arg Arg Arg
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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Arg
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Arg
 20 25 30

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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
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Arg

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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
 20 25 30

Lys Lys Arg
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868_006.sequence listing

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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
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Lys Lys Lys Lys Arg
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
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Lys Lys Lys Lys Lys Lys Lys Arg
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Lys Lys
 20 25 30

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 1 5 10 15

Gln Ala Ala Gln Glu Phe Ile Ala Trp Leu Val Asn Gly Arg
 20 25 30

<210> 20
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<400> 20

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 1 5 10 15

Gln Ala Ala Gln Glu Phe Ile Ala Trp Leu Val Asn Gly Arg
 20 25 30

<210> 21
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 <212> PRT
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<400> 21

His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 1 5 10 15

Gln Ala Ala Gln Glu Phe Ile Ala Trp Leu Val Asn Gly Arg Arg Arg
 20 25 30

Arg Arg

<210> 22
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<223> 8S26Q34N-GLP1-6R

<400> 22

His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Gln Glu Phe Ile Ala Trp Leu Val Asn Gly Arg Arg Arg
20 25 30

Arg Arg Arg Arg
35

<210> 23

<211> 35

<212> PRT

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<223> 8S26Q34N-des36R-GLP1-5KR

<400> 23

His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Gln Glu Phe Ile Ala Trp Leu Val Asn Gly Lys Lys Lys
20 25 30

Lys Lys Arg
35

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<223> 8S-GLP1-4R

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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
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Arg Arg

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His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
20 25 30

Arg Xaa